

Water-Data Report 2006

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

Lower Green Basin
San Rafael Subbasin

LOCATION.--Lat 39°19'47", long 111°25'51" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.14, T.17 S., R.4 E., Sanpete County, UT, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft³/s, June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.02	2.8	50	8.8	e3.4	0.05
2	---	---	---	---	---	---	0.02	2.6	80	8.5	e2.8	0.03
3	---	---	---	---	---	---	0.02	2.8	79	7.9	e2.0	0.05
4	---	---	---	---	---	---	0.22	2.9	80	7.5	e1.3	0.09
5	---	---	---	---	---	---	e1.5	2.9	95	7.2	e0.80	0.16
6	---	---	---	---	---	---	e1.0	3.0	97	7.0	e0.60	0.15
7	---	---	---	---	---	---	e0.80	3.5	92	6.5	e0.80	e0.18
8	---	---	---	---	---	---	e0.20	4.4	80	6.2	e0.60	e0.18
9	---	---	---	---	---	---	e1.6	5.2	74	5.6	e0.50	e0.10
10	---	---	---	---	---	---	e2.5	5.7	70	5.4	e0.50	e0.08
11	---	---	---	---	---	---	e1.7	e6.7	60	5.2	e0.40	e0.20
12	---	---	---	---	---	---	e1.2	e9.0	52	5.3	&0.26	e0.25
13	---	---	---	---	---	---	e2.6	e11	43	4.9	0.18	e0.50
14	---	---	---	---	---	---	e3.0	&13	36	4.7	0.12	e0.60
15	---	---	---	---	---	---	e2.8	15	26	4.5	0.18	e1.1
16	---	---	---	---	---	---	e2.7	17	21	4.3	0.12	e1.0
17	---	---	---	---	---	---	e2.8	34	20	e4.1	0.10	e0.80
18	---	---	---	---	---	---	e2.0	54	21	e5.5	0.10	e0.60
19	---	---	---	---	---	---	e1.2	64	22	e4.3	0.13	e0.26
20	---	---	---	---	---	---	e1.0	66	21	e4.0	0.11	e0.17
21	---	---	---	---	---	---	e1.8	58	19	e3.6	0.13	e0.16
22	---	---	---	---	---	---	e2.8	57	17	e3.3	0.14	e0.50
23	---	---	---	---	---	---	&3.7	47	15	e3.5	0.11	e0.40
24	---	---	---	---	---	---	3.3	50	13	e14	0.09	e0.30
25	---	---	---	---	---	---	e2.2	56	12	e6.0	0.08	e0.21
26	---	---	---	---	---	---	e2.3	55	11	e3.6	0.05	e0.12
27	---	---	---	---	---	---	e2.4	55	11	e3.2	0.05	e0.07
28	---	---	---	---	---	---	e2.4	33	10	e4.0	0.05	e0.06
29	---	---	---	---	---	---	e2.0	e15	10	e3.9	0.05	e0.04
30	---	---	---	---	---	---	&2.9	e15	8.7	e3.4	0.05	e0.02
31	---	---	---	---	---	---	---	&23	---	e3.5	0.04	---
Total	---	---	---	---	---	---	54.68	789.5	1,245.7	169.4	15.84	8.43
Mean	---	---	---	---	---	---	1.82	25.5	41.5	5.46	0.51	0.28
Max	---	---	---	---	---	---	3.7	66	97	14	3.4	1.1
Min	---	---	---	---	---	---	0.02	2.6	8.7	3.2	0.04	0.02
Ac-ft	---	---	---	---	---	---	108	1,570	2,470	336	31	17

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